

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

Oct 29 1913
Oct 29 1914

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 104

SITUATED IN THE

CROOK NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 2, unsurveyed, Township 1 S., Range 15 E.

Section 11, unsurveyed, Township 1 S., Range 15 E.

of the

G. & S. R. B. & Meridian.

Arizona

Survey executed by Walter G. Turley, Forest Service Surveyor

Under special instructions dated October 30, 1913

Survey commenced December 11, 1913

Survey completed December 11, 1913

Under Acts of June 11, 1906 and March 4, 1913.

Applicant for listing Thomas Halsall

Residence Globe, Arizona

Application No. 75, dated January 12, 1909

List No. 3-1205, dated March 17, 1911

Applicant for survey Thomas Halsall

Residence Globe, Arizona

H. E. No. 018729, dated July 22, 1912

Land district Phoenix, Arizona.

OATH OF ASSISTANTS

We hereby certify that we assisted Walter G. Turley,
Forest Service Surveyor in surveying all those
parts or portions of Homestead Entry Survey No. 104, in
unsurveyed Section 2, Township 1 S., Range 15 E.,
unsurveyed Section 11, Township 1 S., Range 15 E.,

of the G. & S.R.B. & meridian, State of Arizona, which
are represented in the following field notes as having been
surveyed by him and under his direction; and that said sur-
vey has been in all respects, to the best of our knowledge
and belief, well and faithfully surveyed, and the corner
monuments established, according to the instructions fur-
nished by the United States Surveyor General for Arizona.

Note: It would have been
very inconvenient and ex-
pensive to appear before
an officer to administer
the oaths to assistants,
hence they were taken by
the Surveyor.

Benjamin F. Harbour Chainman
John B. Wight Chainman

Subscribed and sworn to before me this 30th day of
December, 1913.

Walter G. Turley
Forest Service Surveyor

OATH OF SURVEYOR

I, Walter G. Turley, Forest Service Surveyor, do solemnly swear
that, in strict conformity with the special instructions of
the United States Surveyor General for Arizona, dated
October 30, 1913, and the laws of the United States, I have
well, faithfully, and truly, in my own proper person, sur-
veyed a tract of land ~~upon the application of~~ embraced in
List, No. 3-1205 dated March 17, 1911, for
Patent, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 104,
situated within the CROOK National Forest, in
unsurveyed Section 2, Township 1 S., Range 15 E., and
unsurveyed Section 11, Township 1 S., Range 15 E.,

of the G. & S.R.B. & meridian, Arizona, and the
related retracements and resurveys and section subdivisions,
which are represented in the following field notes as having
been surveyed by me; and I further solemnly swear that all
the corners of said survey have been established and perpet-
uated in strict accordance with the stated special instruc-
tions, and in the specific manner described in the field
notes, and that the following are the original field notes
of such survey.

Walter G. Turley
Forest Service Surveyor

Subscribed and sworn to before me this 19th day of
January, 1914.

Walter G. Scott
Notary Public



8-2249
My commission expires July 1, 1917

CROOK NATIONAL FOREST
ARIZONA.

Chains Applicant for listing, Thomas Halsall; Application No. 75, dated January 12, 1909; list No. 3-1205, dated March 17, 1911; H. E. No. 018729, made by Thomas Halsall at Phoenix, Arizona, July 22, 1912.

Surveyed under Special Instructions from the Surveyor General for Arizona, dated October 30, 1913, and designated as Homestead Entry Survey No. 104.

Situated in unsurveyed T. 1 S., R. 15 E., G. & S. R. B. & Meridian, in what will probably be, when surveyed, Secs. 2 and 11, within Crook National Forest, Arizona.

Listed under the Act of June 11, 1906, and survey authorized by the Acts of June 11, 1906 and March 4, 1913.

This survey was executed with a W. and L. E. Gurley light mountain transit No. 12953 with vertical circle and Burt solar attachment. The horizontal limb having two double verniers placed opposite and reading to single minutes of arc, which is also the least graduation on the latitude and declination arcs.

The instrument was tested and all necessary adjustments made to the levels, line of collimation, solar attachment and stadia interval. The stadia is adjusted to read 1:132; and all measurements were made on the slope, and reduced to the horizontal, with a 400 link steel tape and a Philadelphia stadia rod graduated to feet and hundredths with target verniers reading to thousandths.

December 11, 1913:

At 8h. 00m. a.m., l.m.t., I set off $22^{\circ} 57'$ S. on

CROOK NATIONAL FOREST
ARIZONA.

Chains

the decl. arc and $33^{\circ} 22'$ on the lat. arc and determined a meridian with the solar at the north station which defines the meridian as established by me by Polaris observations on December 4th and 5th, 1913; and is marked by tacks in stakes set firmly in the ground 8.00 chs. apart, near Cor. H-1 of the List Survey of Rebecca Howard. I sight south and my line of sight falls upon the tack in the stake 8.00 chs. south of my station. Therefore I conclude that my transit is in satisfactory adjustment.

Preliminary to the survey of this claim I proceed to Cor. H-1 of the List Survey and retrace its boundaries and calculate its area to be less than 160 acres.

December 11, 1913:

At 8h. 15m. a.m., l.m.t., I set off $22^{\circ} 57'$ S. on the decl. arc and $33^{\circ} 22'$ on the lat. arc and determine a meridian with the solar at Cor. H-1 of the List Survey, also Cor. H-4 of H. E. 06355, Rebecca Howard, unsurveyed H. E. S. 129, which is a granite stone 6 x 12 x 5 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this List Cor. which refers to this claim. At this point I previously set Cor. No. 4 of H. E. S. 103, which is a quartzite boulder 9 x 9 x 10 ins. above ground with a cross for exact point, marked 4-HES103 on NW. face, with mound of stone 2 ft. base 1-1/2 ft. high NW. of Cor. I mark same boulder 1-HES104 on SW. face for Cor. No. 1 of this survey whence:

A hackberry 4 ins. dia. bears N. $11^{\circ} 30'$ W.

83 lks. dist. marked 4 H E S 103 1 H E S

104 B T.

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Chains A hackberry 5 ins. in dia. bears N 63° 15' W.
114 lks. dist. marked 4 H. E. S. 103 1 H. E.
S. 104 B T.

I observed the Magnetic Declination at Cor. No. 1 to be 14° 35' E. at 8h. 15m. a.m., l.m.t.; which reduced by Table G, Manual of 1894, Diurnal Variation in Magnetic Declination gives a mean magnetic declination of 14° 34' E. Long. 110° 45' W., as obtained from Special Instructions from the Surveyor General.

I calculate the tie from this Cor. to the St. 1/4, Sec. Cor., Sec. 36, which is a granite rock 12 x 12 x 10 ins. above ground marked and witnessed as described by the Surveyor General, by the following traverse run by me and described in the field notes of H. E. S. No. 103:

Bearing	Distance	Latitude		Departure	
		N	S	E	W
S. 6° 30' E.	22.69		22.55	2.57	
S. 67° 00' W.	12.24		4.78		11.27
S. 10° 58' W.	30.59		30.03		5.82
N. 86° 00' E.	20.00	1.40		19.95	
		1.40	57.36	22.52	17.09
			1.40	17.09	
			55.96	5.43	

S. 5° 33' E. 56.22

Therefore the St. 1/4 Sec. Cor., Sec. 36, T. 1 N., R. 15 E., bears N. 5° 33' W. 56.22 chs. dist. from Cor. No. 1 of this Survey.

Thence S. 19° 25' W.
Between this claim and H. E. 06355, Rebecca Howard, unsurveyed H. E. S. 129.

- 8.16 Enter road bears N. and SW.
- 8.66 Leave road bears NE. and S.
- 9.16 Cor. H-2 of this List Survey, also Cor. H-5 of H. E. 06355, Rebecca Howard, unsurveyed H. E. S. 129

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CROOK NATIONAL FOREST
ARIZONA.

Chains marked and witnessed as described by the Forest Service. I destroy all trace of this List Cor. which refers to this claim.

10.16 Right bank of Ice House Creek 3 ft. high, course N.

13.16 Left bank of Ice House Creek 3 ft. high, course N.

22.30 To Cor. No. 2.

Identical with Cor. H-3 of the List Survey, which is a gray slate stone 8 x 15 x 5 ins. above the ground marked and witnessed as described by the Forest Service. I destroy all trace of this List Cor. and at

this point I set a quartzite boulder 26 x 9 x 6 ins. 16 ins. in the ground over a small stone marked with a cross for Cor. No. 2 of this Survey marked 2-HES104 on the NW. face and raise a mound of stone 2 ft. base 1-1/2 ft. high NW. of Cor. from which:

An oak 4 ins. dia. bears N. 4° 15' W. 24 lks. dist. marked 2 H E S 104 B T.

A quartzite boulder 24 x 24 x 12 ins. above ground marked "X" and 2 H E S 104 B R bears N 34° 15' E. 29 lks. dist.

Cor. H-1, H. E. 014832, R. E. Lee, unsurveyed H. E. S. 107, brs. S. 78° 06' E., 3.54 chs. dist.

Cor. H-5, H. E. 014832, R. E. Lee, unsurveyed H. E. S. 107, brs. N. 78° 06' W., 5.27 chs. dist.

Thence N. 78° 06' W.

Between this claim and H. E. 014832, R. E. Lee, unsurveyed H. E. S. 107, Ascend 20 ft. to Cor.

4.00 Leave bottom bears N. and S. and ascend E. slope.

5.27 To Cor. No. 3.

Identical with Cor. H-4 of this list survey, also Cor. H-5 of H. E. 014832, R. E. Lee, unsurveyed H. E. S. 107, which is a shale rock 10 x 12 x 8 ins. above

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Chains

ground marked and witnessed as described by the Forest Service. I destroy all trace of this List Cor. which refers to this claim and at this point I set a schist stone 30 x 9 x 5 ins. 20 ins. in the ground over a small stone marked with a cross for Cor. No. 3 of this Survey marked 3-HES 104 on NW. face and raise a mound of stone 2 ft. base 1-1/2 ft. high NW. of Cor. from which,

A mesquite stump 18 ins. dia. bears N. 68° 30' E. 193 lks. dist. marked 3 H E S 104 B T.

A catsclaw 4 ins. dia. bears S. 46° 30' E.

88 lks. dist. marked 3 H E S 104 B T.

Thence S. 25° 00' W.

Along line H-5 to H-4 of H. E. 014832, R. E. Lee, unsurveyed H. E. S. 107.

Ascend E. slope 25 ft. to spur.

8.00 Spur bears E. and W. Descend 30 ft. to ravine.

11.75 Ravine course E. Ascend 25 ft. to Cor.

13.28 To Cor. No. 4.

I set a red quartzite stone 24 x 12 x 5 ins. 14 ins. in the ground over a small stone marked with a cross for Cor. No. 4 of this Survey, marked 4-HES 104 on the N. face and raise a mound of stone 2 ft. base 1-1/2 ft. high N. of Cor. from which:

A mesquite 4 ins. dia. bears S. 73° 15' W.

208 lks. dist. marked 4 H E S 104 B T.

No other bearings available. Pits impracticable.

Cor. H-5 of the List Survey which is a gray

granite stone 4 x 12 x 8 ins. above ground

marked and witnessed as described by the For-

est Service bears N. 11° 38' W. 1.96 chs. dist.

I destroy all trace of this List Cor.

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December 11, 1913.

At 11h. 53m. a.m., 1.m.t., I set off 22° 59-1/2' S. on the decl. arc and observe the sun on the meridian at apparent noon at Cor. No. 4 of this Survey and obtain a reading of 33° 22' on the lat. arc.

Thence N. 11° 38' W. on a true line.

Descend 20 ft. to ravine.

1.95 Ravine course E. Ascend S. slope 200 ft. to spur.

10.20 Spur bears E. and W. Descend 20 ft. to ravine.

14.15 Ravine course NE. Ascend 20 ft. to ridge.

18.20 Ridge bears E. and W. Descend NW. slope 200 ft. to ravine.

29.00 Arroyo 40 lks. wide banks 4 ft. high course NE. Ascend 5 ft. to Cor.

30.97 To Cor. No. 5.

Identical with Cor. H-6 of the list survey which is a gray granite stone 6 x 10 x 12 ins. out of ground.

marked and witnessed as described by the Forest

Service. I destroy all trace of this List. Cor.

and at this point I set a quartzite stone 28 x 15

x 5 ins. 18 ins. in the ground over a small stone

marked with a cross for Cor. No. 5 of this Survey

marked 5-HES104 on the SE. face and raise a mound

of stone 2 ft. base 1-1/2 ft. high SE. of Cor. from

which:

An "X" on an imbedded quartzite stone 36 x 24

x 8 ins. above ground bears S. 28° E. 10 lks.

dist. marked 5 H E S 104 B.R.

Pits impracticable. No other bearings available.

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Chains
Thence N. 86° 00' E. on a true line.
Descend 30 ft. to Ice House Creek, along arroyo
bottom in undergrowth.
4.50 Cor. No. 5, H. E. S. No. 103, Burl A. Hildreth, which
is a quartzite stone 10 x 5 x 10 ins. above ground
marked and witnessed as described by me in the field
notes thereof. Continue along line 5-4 of H. E. S.
No. 103.
5.90 Arroyo 120 lks. wide, banks 3 ft. high, course NE.
10.90 Same arroyo 110 lks. wide, banks 3 ft. high, course SE.
20.45 Left bank of Ice House Creek 3 ft. high, course N.
23.92 Right bank Ice House Creek 6 ft. high, course N.
Ascend 2 ft. to Cor.
24.25 Road NE. and SW.
24.50 To Cor. No. 1, the place of beginning.

Area of Homestead Entry Survey No. 104.
Total Area ----- 41.42 acres.

IMPROVEMENTS

The improvements made upon and for the benefit of this
homestead and belonging to Thomas Halsall the claim-
ant herein, consist of the following:

A frame chicken house 10 x 20 ft. the long side of
which bears E. and W. and the SE. Cor. of which bears
N. 4° W. 6.75 chs. dist. from Cor. No. 2 of this
Survey.

Value ----- \$10.00

A frame dwelling 12 x 20 ft. the long side of which
bears N. and S. and the SE. Cor. of which bears N.
4° 30' E. 8.00 chs. dist. from Cor. No. 2 of this
Survey.

Value ----- \$250.00

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A windmill and well 18 ft. deep, the center of which bears N. 5° 30' E. 8.60 chs. dist. from Cor. No. 2 of this survey.

Value ----- \$75.00

A frame shed 10 x 15 ft. the long side of which bears N. and S. and the SE. Cor. of which bears N. 1° 30' W. 7.20 chs. dist. from Cor. No. 2 of this survey.

Value ----- \$30.00

GENERAL DESCRIPTION.

This Homestead Entry is on Ice House Creek at an elevation of approximately 3860 ft. and is chiefly valuable for intensive farming. The soil is a sandy loam and produces any crop raised in the temperate zone. I saw no indication of mineral on this claim. Globe Postoffice and A. E. Ry. Station is 2-1/2 miles in a northerly direction.

Conflicts And Adjoining Claims.

This claim is joined on the north by H. E. S. No. 103, Burl A. Hildreth; on the East by H. E. 06355, Rebecca Howard, unsurveyed H. E. S. 129; and on the South by H. E. 014832, Robert E. Lee, unsurveyed, H. E. S. 107.

Latitudes, Departures and Closing Errors

Bearing	Distance	Latitude		Departure	
		N.	S.	E.	W.
S. 19° 25' W.	22.30		21.03		7.41
N. 78° 06' W.	5.27	1.09			5.16
S. 25° 00' W.	13.28		12.04		5.61
N. 11° 38' W.	30.97	30.33			6.25
N. 86° 00' E.	24.50	1.71		24.44	
	96.32	33.13	33.07	24.44	24.43
		33.07		24.43	
Error in Lat. and Dep.		.06		.01	

Closing Error 1:1584.

Walter J. Purley
Forest Service Surveyor.

DIRECTIONS.—1. Carry out the area in acres to three decimals, and all other calculations to two decimals only.

2. In balancing Lat. and Dep. do not obliterate or change the original figures; but put below them the corrected footing in red ink.

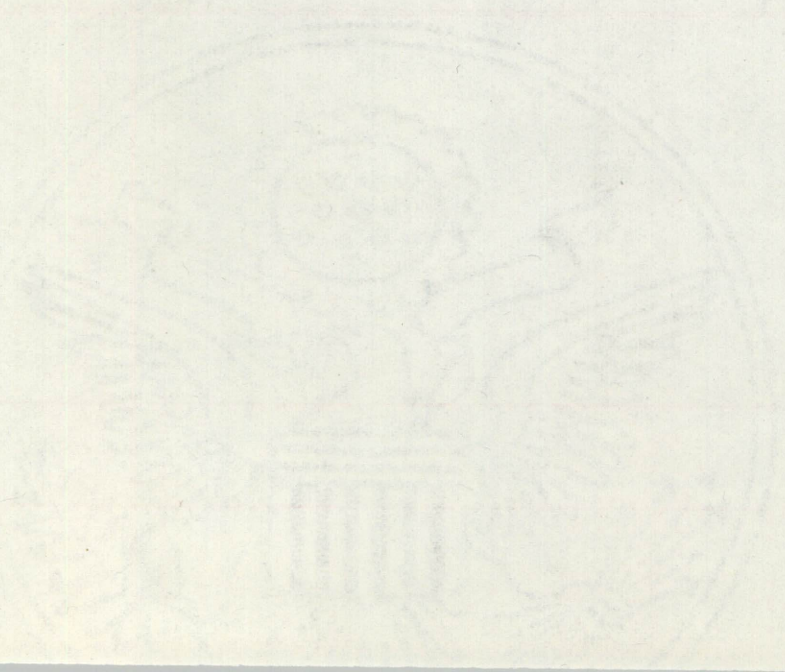
Put the corrected figure or figures above in red ink. Do not change the footing of the original figures, but put below them the corrected footing in red ink.

The corrections for balancing fallings should be proportional to the lengths of the lines. In calculations of fallings take result to nearest hundredth. In calculations of N. and S. areas drop all after second decimal. Surveyors are advised to use the Standard Field Tables issued by G. L. O.

TABLING AND CALCULATIONS OF *Thomas Raball A. C. S. 104*

No.	COURSE.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
	S. 19° - 25' N.	22.30		21.0 ⁴		7.41	41.47		872.03
	N. 78° 06' N.	52.7	1.09			5.16	28.90	31.50	
	S. 25° 00' N.	132.8		120 ⁵		5.61	181.3		218.47
	N. 11° 38' N.	30.97	30.3 ¹			6.25	62.6	189.74	
	N. 86° 00' E.	24.50	1.77				24.44	41.30	
		96.32	33.13	33.67	24.44	24.43		262.54	1091.00
			3.309	3.309	24.44	24.44		262.54	2)828.46
									4142 = Area

Closing Error = 1:1584



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APPROVAL

Office of the United States Surveyor General,
Phoenix, Arizona,
December 10, 1914.

The foregoing field notes of Homestead Entry Survey No.

104

Thomas Halsall

executed by Walter G. Turley, Forest Service Surveyor,
under his special instructions, dated October 30, 1913,
having been critically examined, and the necessary correc-
tions and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

Frank S. Ingalls
U. S. Surveyor General.

I certify that the foregoing transcript of the field
notes of the above-described survey in Arizona,
has been correctly copied from the original notes on file in
this office.

Frank S. Ingalls,
U. S. Surveyor General.

APPROVED

Office of the District Attorney
 Albany, New York
 December 19, 1911

The undersigned is pleased to advise you that the application for the appointment of a receiver for the property of the State of New York, in the matter of the estate of the late John G. Johnson, deceased, has been approved.

I certify that the foregoing is a true and correct copy of the original as the same appears in the files of the District Attorney.

THOMAS G. JENNINGS
 District Attorney